

D1 --Applicant claims priority to Application Serial No. 60/078,162 filed March 16, 1998, now abandoned.--

Please replace the paragraph beginning at page 9, line 13, with the following rewritten paragraph:

D2 --A macroscopic prototype dual working electrode according to the present invention was fabricated to study the fundamental aspects of the present invention. The cell was made of Teflon and is shown as Fig. 1. It consists of two gold wires 0.25mm diameter as working electrodes 22 and 24. One silver-silver chloride wire reference electrode 26 and one platinum wire (0.25 mm/diameter) auxiliary electrode 28 the silver-silver chloride electrode was a silver wire with silver chloride electrolytically deposited on the electrode by anodization in 0.1 molar HCl. Both working electrodes share the reference and auxiliary electrodes. Four electrodes were inserted through small holes in the side wall 40 of the cell. Antibody 18 and 20 was immobilized on a piece of polystyrene sheet 12 which forms the bottom of the cell 10. The electrodes rest on the polystyrene sheet 12 which is liquid impervious leaving no gap in between. The distance between two adjacent electrodes 22 and 24 was 2.5mm. Both the assay and electrochemical detection were carried out in the cell which had a volume of 150 micro liters. As discussed below, the same antibody was used for both the first and second analyte area 14 and 16 purely for these test purposes. The specific antibody was anti-mouse IgG. The enzyme label was alkaline phosphatase (alp). The enzyme substrate was para amino phenyl phosphate (PAPP) and the enzymatic reaction product was para amino phenol (PAP).--